

CNX-PAD8A

Audio Distribution Processor

Among the wave of multi-room audio products on the market, Crestron audio distribution processors are set apart for their unmatched flexibility and no-compromise performance. Features like independent software-driven preamp-style controls on every room output enable the most demanding user to tailor the listening experience to individual taste in every room. Any audio parameter or device function can be controlled using keypads, handheld remotes, touchpanels, or computers, putting just the right amount of control right where it's needed.

8 Stereo Sources x Up to 32 Rooms

The CNX-PAD8A is a high performance 8 x 8 stereo audio switcher and preamplifier, providing distribution of 8 stereo audio sources to 8 room outputs. Up to four CNX-PAD8A's may be combined to handle as many as 32 rooms*. Every room output includes independent control over volume, bass, treble, balance, loudness, and mute. Mono summing is also built in to facilitate distribution to non-stereo zones.

Advanced Features

Additional features make the CNX-PAD8A a truly refined audio component. Programmable input gain compensation assures a consistent level when switching between input sources. Scaling factor settings allow minimum and maximum levels to be defined for each room output. And, protective relays on each output prevent "thumps" during power-up and provide total attenuation when any room is turned off.

A Complete System Solution

Together with any 2-Series control system, Crestron's audio distribution processors provide an extensively customizable audio control solution. For the ultimate in audio performance, just add a CNAMPX-series multi-room amplifier to form a total, intelligent audio head-end. Crestron keypads and touchpanels complete the system, putting essential control access within arm's reach throughout the home, office, restaurant, etc.

SystemBuilder™ Programming

Crestron's SystemBuilder™ software can make audio distribution programming a quick and simple task, providing easy drag-and-drop system configuration with extensive support for interfacing to hundreds of AV devices through Crestron's vast database of third-party codes and drivers. Hi-tech or bare necessity, for all tastes and technical abilities, SystemBuilder allows the discerning AV system designer to deliver a tailor-made audio distribution solution every time.

- > *High-performance stereo audio switcher and preamp*
- > *Distributes 8 stereo audio sources to 8 line outputs*
- > *Combinable for up to 32 rooms*
- > *Volume, bass, treble, balance, loudness, and mute controls*
- > *Programmable input gain compensation*
- > *Selectable mono summing on each output*
- > *Protective output mute relays*
- > *Fully configurable in SystemBuilder software*



> *Controllable via Cresnet communications*

SPECIFICATIONS

Audio

Typical of 8 Stereo Room Outputs:

Controls: Volume, Balance, Bass, Treble, Loudness, Mute, Mono, Input Compensation

Volume Gain Range: -80dB to +20dB, 1 dB steps

Mute: -92dB electronic, -120dB relay (room enable off)

Input Compensation: ±10dB

Bass Gain Range: ±12dB @ 100Hz, 2 dB steps

Treble Gain Range: ±12dB @ 10kHz, 2 dB steps

Frequency Response: 10Hz to 20kHz ±0.2dB

S/N Ratio: >100dB

THD+N: <0.02%

Stereo Separation: >90dB

Connectors

SOURCES 1 - 8: (32) RCA female comprising (8) unbalanced stereo line-level audio inputs, and (8) parallel loop-thrus;

Maximum Input Level: 3.2 Vrms (flat);

Input Impedance: 54k ohms;

Connect to outputs of source devices, with loop-thru to additional CNX-PAD8A*

ROOMS 1 - 8: (16) RCA female comprising (8) unbalanced stereo line-level audio outputs;

Maximum Output Level: 2.5 Vrms;

Output Impedance: 37.5 ohms;

Connect to inputs of CNAMPX-series amplifier

NET: (1) 4-pin 5mm detachable terminal block
Cresnet slave port, connects to Cresnet control network

Ground: (1) 6-32 screw, chassis ground lug

Buttons & LED Indicators

PWR: (1) green LED, indicates 24 Volts DC power supplied from Cresnet control network

NET: (1) yellow LED, indicates communication with Cresnet system

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ROOMS 1 - 8: (8) red LED's, indicate if room outputs are enabled
SETUP (rear): (1) miniature pushbutton and (1) red LED, used for touch-settable ID (TSID)

Power Requirements

Cresnet Power Usage: 10 Watts (0.42 Amps @ 24 Volts DC)

Environmental

Temperature: 41° to 122°F (5° to 50°C)

Humidity: 10% to 90% RH (non-condensing)

Enclosure

Black metal, 2U 19-inch rack-mountable (rack ears included)

Dimensions

Height: 3.56 in (9.04 cm);

3.47 (8.81 cm) without feet

Width: 17.03 in (43.26 cm);

19.0 in (48.26 cm) with ears

Depth: 8.67 in (22.02 cm)

Weight

5.16 lbs (2.34 kg)

** Room outputs are expandable by cascading the inputs of multiple units using the optional CNX-ASBK bussing kit or standard RCA interconnect cables. Crestron recommends cascading no more than four (4) units. The actual number of possible units in a system is virtually unlimited, although additional equipment may be necessary to maintain signal integrity. Contact Crestron for additional assistance.*

Available Models

CNX-PAD8A: Audio Distribution Processor [Limited Supply]

Available Accessories

CNAMPX-16X60: 16 Channel Multi-Room Amplifier [Discontinued]

CNAMPX-2X60: 2 Channel Room Amplifier [Discontinued]

CNAMPXI-16X60: 16 Channel Multi-Room Amplifier - International Version, 230V [Discontinued]

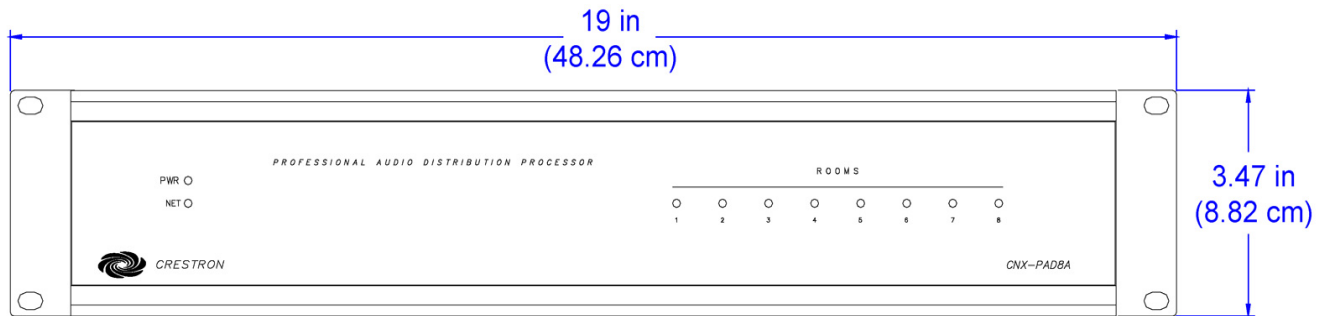
CNAMPXI-2X60: 2 Channel Room Amplifier - International Version, 230VAC [Discontinued]

CNX-ASBK: Bussing Kit

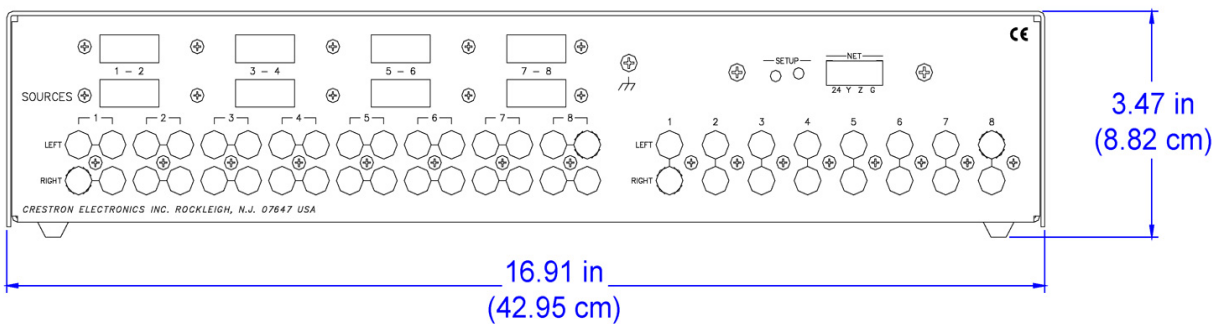
CNXBRMO: Bridging and Mono-Summing Adapter for CNAMPX-12X60 and CNAMPX-16X60

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